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Inter Patent Application of

Gary R. Braslawsky et al

Group Art Unit: 1642

Application Serial No. 09/238,741

Examiner: L. Helms

Filed: January 28, 1999

For: PRODUCTION OF TETRAVALENT ANTIBODIES

**REPLY PURSUANT TO 37 C.F.R. §1.111**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This is in response to the Office Communication dated February 26, 2003, replaces Applicant's response of December 30, 2003, and is intended to be fully responsive the Office Action dated August 28, 2002, please amend the instant application as follows.

**IN THE CLAIMS:**

Non-elected claims 3, 10-13, 15-23, 30-33, 38-40 and 42-44 are canceled. Claims 37 and 49 are also canceled.

Claims 1, 24, 28, 41 and 45 are amended as set forth below:

1. A method for producing an antibody heterodimer comprising:
  - (i) obtaining or constructing a DNA molecule that encodes an antibody molecule heavy chain that has binding specificity to a first antigen when said heavy chain is paired with a corresponding light chain, and introducing at least one cysteine codon into said antibody molecule heavy chain via recombinant DNA mutagenesis, wherein the location of said cysteine does not interfere with the antigen binding properties of
- together with a DNA molecule that encodes an antibody molecule light chain having